

Title (en)  
Intake apparatus of internal combustion engine

Title (de)  
Einlassvorrichtung für Brennkraftmaschine

Title (fr)  
Dispositif d'admission d'un moteur à combustion interne

Publication  
**EP 0793008 A3 19980401 (FR)**

Application  
**EP 97103285 A 19970227**

Priority  
JP 4100996 A 19960228

Abstract (en)  
[origin: EP0793008A2] The intake apparatus for an internal combustion engine (8) comprises a duct (13) for admission of air as a result of the wind generated as the vehicle is running, and an air cleaner (12) connected to the duct. A fuel supply device (11) injects fuel into this air flow after the air has passed through the cleaner. A movable valve (16) is arranged between the outlet port of the duct and the inlet port of the air cleaner. A negative pressure motor (18) is provided for driving the movable valve, and an electronic control unit controls operation of the valve. The electronic control unit is connected to the ignition system, and controls the valve in response to the measured engine rotational speed. Further information is supplied to the control unit indicating the gear which has been engaged, and the degree of opening of the engine throttle. The ignition timing is also controlled in response to the position of the movable valve.

IPC 1-7  
**F02D 9/02**

IPC 8 full level  
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Citation (search report)  
• [A] US 5307771 A 19940503 - STAHEL II ALWIN J [US], et al  
• [A] US 4273564 A 19810616 - SUGIE HIROMICHI, et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 132 (M - 303) 20 June 1984 (1984-06-20)

Designated contracting state (EPC)  
DE FR IT

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